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PIC/D-114-59
9 June 1959

MEMORANDUM FOR: Deputy Director (Plans)

SUBJECT: Catadioptric Lenses

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1. In response to your memorandum of 20 May 1959, I have had [redacted] make a preliminary investigation of the real and theoretical characteristics of a catadioptric lens as it might be designed for aerial use. His report is attached hereto for your information and retention.

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2. I believe that Linker has made a fair estimate of the theoretical properties of the lens and has tried to be helpful by recommending the names of certain optical specialists who might be contacted for further details or design studies. However, we feel that these investigations would more properly fall to your staff with PIC in standby to review them and offer recommendations. It is suggested that you might want to have [redacted] review this and offer his endorsements or recommendations. There is no question about the performance of these lenses for astronomic and terrestrial work, but the degradation effects on image quality of a less highly stabilized aerial platform must be critically evaluated.

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[redacted]
ARTHUR C. LUNDAHL
Director,

Photographic Intelligence Center

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Attach: Memo from Mr. [redacted] to
D/PIC, dtd 8 June 1959

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cc: DD/I

*Ret'd to [redacted] (PIC)
6/24/59 per request*

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